Generation of Mab to IFNα

Immunized Balb/c mice 9x with leukocyte IFN $\alpha(2.5\mu g/foot\ pad)$ in MPL/TDM adjuvant

Fusion 1794 wells

IFNα 2 binding (ELISA) -79 positive

IFN α 21 binding (ELISA) -43 positive

Bio-assay using A549 cells and EMC virus - 3 positive

Final 3 Mabs

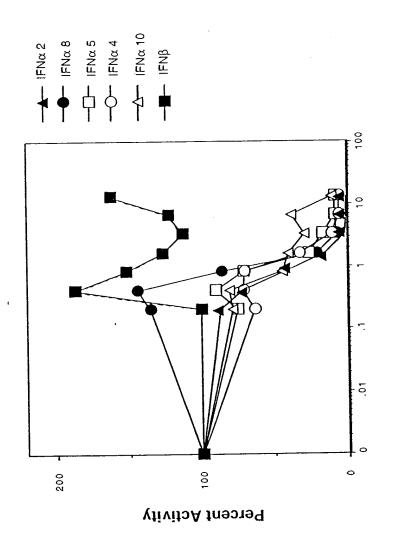
9E3 neutralized IFN α 2, 4, 8

11H2 neutralized IFN α 2,8,21

9F3 neutralized IFNα 1,2,4,5,8,10,21 and leukocyte interferon

FIGURE 1

Neutralization of IFN-alpha activities by mAb 9F3



9F3 (ug/ml) FIGURE 2

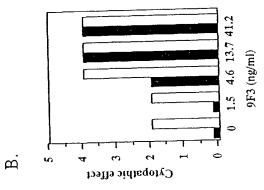
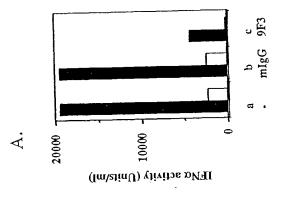


FIGURE 3



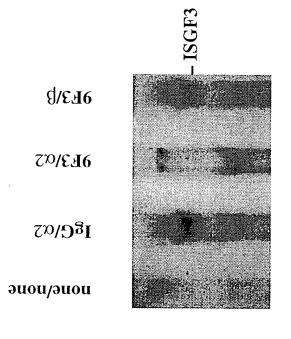


FIGURE 4

VP/IEN

Figure 5A

Variable Light Domain

	1 1	0	20	30 abcd	40
murine	DIVLTQSPA	SLAVSLGQF	RATISCRASQS	SVSTSSYSYMHWYQ	QKPGQPPKVLIS
	** *	** * *	* *		**
V13	DIQMTQSPS	SLSASVGDF	RVTITCRASQS	SVSTSSYSYMHWYQ	QKPGKAPKVLIS
				* **** **	* *
hukI	DIQMTQSPS	SLSASVGDF	RVTITCRASQS	SISNYLAWYQ	QKPGKAPKLLIY

murine 50 60 70 80 90

murine YASNLESGVPARFSGSGSGTDFTLNIHPVEEGDTATYFCQHSWGIPRTF

* * ****** *

V13 YASNLESGVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQHSWGIPRTF

* * *

hukI AASSLESGVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQQYNSLPWTF

100

murine GAGTKLELRRAV

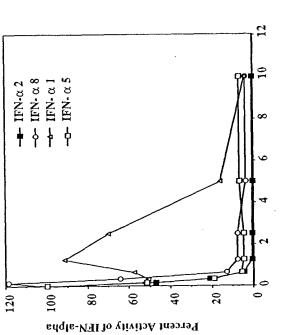
* * ** *

V13 GQGTKVEIKRTV

hukI GQGTKVEIKRTV

Figure 5B

	1	10	20	30	40)
murine	EVQLQQS0	GPELVKP	GASVKISO	CKTSGYTFT:		GHGRSLEWIG
V13	EVQLVES	GGGLVQP	GGSLRLS		EYIIHWVRQ <i>I</i> * ***	APGKGLEWVA
huIII	EVQLVES	GGGLVQP	GGSLRLS	CAASGFTFS	SYAMSWVRQA	APGKGLEWVA
Ţ	50 a	60	70)	30 abc	90
murine	SINPDYD	ITNYNQR	FKGKATL:		YLELRSLTSE	EDSAVYYCAS *
V13	SINPDYD:			SLDKSKRTA	YLQMNSLRAI	EDTAVYYCAS *
huIII	VISGDGG	STYYADS	VKGRFTIS	SRDNSKNTL	YLQMNSLRA	EDTAVYYCAR
	100					
murine	WISDFFD		LMVSAAS			
V13	WISDFFD	YWGQGTL	VTVSSAS			
huIII	GRVGYYD'	YWGOGTL	VTVSSAS			



- IFN. a 5

-- IFN-α2 --- IFN-α8 - IFN·α1

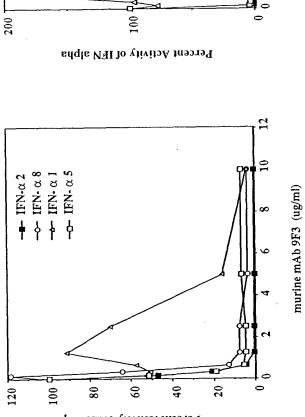


FIGURE 6

Chimera CH8-2 (ug/ml)

